

Claims

1. A rotor body, in particular for the rotor of the starter or the starter-generator of an internal combustion engine, with a hub (4) extending coaxial to the rotational axis (A) of the rotor, characterized in that the rotor body is comprised of a rotationally symmetrical base body (5), which constitutes the hub (4), and one or more lamellas (1, 2, 3), which each have a continuously uniform thickness in the direction of the rotational axis (A) of the rotor.

2. The rotor body according to claim 1, characterized in that it is a non-rotationally symmetrical rotor body.

3. The rotor body according to claim 1, characterized in that one or more of the lamellas (1, 2, 3) are stamp-bundled lamellas or are individually produced lamellas.

4. The rotor body according to claim 1, characterized in that individual lamella components and/or individual lamellas and/or the base body (5) are connected through the use of connecting means (8).

5. The rotor body according to claim 1, characterized in that the connecting means (8) are constituted by screws and/or pins and/or bolts and/or rivets.

6. The rotor body according to claim 1, characterized in that a region (6) for containing the rotor winding (7) is provided on its outer circumference region, which is constituted by one or more lamellas (1, 2, 3).

7. The rotor body according to claim 1, characterized in that one or more lamellas (1, 2, 3) constitute at least one connecting region (11, 14), which is provided for connecting the rotor body to at least one clutch element.

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8. The rotor body according to claim 1, characterized in that at least one clutch element is constituted by an intermediary clutch flange and/or a clutch element is constituted by a clutch thrust plate (12).

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9. The rotor body according to claim 1, characterized in that means (8) are provided for fastening a reinforcing ring (10), which covers at least parts of the rotor winding (7).

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10. The rotor body according to claim 1, characterized in that the reinforcing ring is constituted by a deep-drawn part or a formed part.

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11. The rotor body according to claim 1, characterized in that its outer circumference is cylindrical and that two essentially annular lamellas (2, 3) are provided, which each constitute a section of the outer circumference.

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12. The rotor body according to claim 1, characterized in that at least one of the lamellas (2) is connected to the base body.

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13. The rotor body according to claim 1, characterized in that three essentially annular lamellas (1, 2, 3) are provided, each of which constitutes a section of the cylindrical outer circumference region of the rotor body,

and that only the middle lamella (2) is connected to the base body (5).

14. The rotor body according to claim 1, characterized
5 in that the inner geometry of at least one essentially annular lamella (1) constitutes teeth (13) that serve as a pulse generator.

15. The rotor body according to claim 1, characterized
10 in that adjusting springs or similarly acting means are provided in order to encourage the torque transmission between the rotor body components.

16. The rotor body according to claim 1, characterized
15 in that the base body (5) is a turned part and/or a stamped, drawn, and bent part and/or a stamp-bundled part.